UNITED STATES DISTRICT COURT DISTRICT OF DELAWARE

KEVIN A. APGAR,)	
Plaintiff,)	Case No. 07-505 (SLR) JURY TRIAL DEMANDED
v.)	
)	
WARDEN RAPHAEL WILLIAMS,)	
DR. BINNON, JAMES WELCH,)	
)	
Defendants.)	

DEFENDANT DR. BINNON'S FIRST SET OF INTERROGATORIES DIRECTED TO PLAINTIFF

Pursuant to Rule 33 of the Federal Rules of Civil Procedure, defendant Dr. Binnon hereby requests plaintiff to answer, separately and fully in writing under oath, the following Interrogatories within thirty days of service hereof.

DEFINITIONS AND INSTRUCTIONS

- A. "Document(s)", as used in these interrogatories, is employed in the broadest possible sense under Rule 34 of the Federal Rules of Civil Procedure and means without limitation any written, printed, typed, photostated, photographed, recorded or otherwise reproduced communications or reproductions, whether privilege is asserted thereto or not and including all copies or drafts of any such document which differ (by annotation or otherwise) in any respect from the original.
- B. "Person", refers to the plural as well as the singular, of any natural person, firm, corporation, association, group or organization, unless specifically stated otherwise.
- C. "You" and "Your", as used in these interrogatories, shall mean the party to which these interrogatories are directed, its agents, officers, directors, and employees, and all other persons acting or purporting to act on its behalf of all of its representatives, including its

attorneys.

- D. "Identify", as applied to a person, means to furnish, except as otherwise noted, his or her name and present or last known residence and business address, and, if a corporation, the state of incorporation.
- E. Whenever you are requested to "identify" a communication of any type and such communication was oral, the following information should be furnished:
- (a) By whom it was made and to whom it was directed;
 - (b) Its specific subject;
 - (c) The date upon which it was made;
 - (d) Who else was present when it was made; and
- (e) Whether it was recorded, described or summarized in any writing of any type and, if so, the identity of each such writing in the manner indicated below.
- F. Whenever you are requested to "identify" a communication and such communication was written, the following information should be furnished (in place of identification, production is acceptable):
 - (a) Its nature (e.g., letter, memorandum, telegram, note, drawing, etc.);
 - (b) Its specific subject;
 - (c) By whom it was made and to whom it was directed;
 - (d) The date upon which it was made; and
 - (e) Who has possession of the original and any copies.
- G. If you object to any of the interrogatories herein, whether in whole or in part, on the grounds that the information sought therein is privileged or confidential, state the following:
 - (a) Identify the privileged document or communication;

- (b) Identify the persons who received or have received the privileged document and/or the persons present during the privileged communication;
 - (c) Identify the person who made the privileged document or communication;
- (d) Identify the general subject matter of the privileged document or communication; and
- (e) State the basis for your claim of privilege with respect to each such document or communication.
- H. These Interrogatories are considered to be continuing in character, and whenever additional information responsive to them, but not supplied in answer to them is obtained or becomes known to plaintiffs, it shall be supplied in writing under oath to defendant as though expressly requested by separate interrogatories.
- I. If the usage of any term, word, or phrase used herein makes it difficult for you to understand the meaning of the Interrogatory, do not object thereto. Instead, immediately contact the undersigned counsel for clarification.

INTERROGATORIES

1. Please identify yourself fully, giving your full name, age, social security number, residence address, business address and occupation and, if married, give the name of your spouse and any children.

ANSWER:

2. Please state the name, current address or location of each person who was a witness to or has knowledge of any occurrence, event, fact, circumstance or discoverable matters

upon which the plaintiff's claims are based or founded, specifying to what occurrence, event, fact, circumstance or discoverable matters each such person was a witness or had knowledge.

ANSWER:

- 3. Do you contend that Dr. Binnon breached the standard of care? If so:
- (a) Describe in detail the standard of acceptable medical care which you contend applies to Dr. Binnon, providing the details necessary for this defendant to identify and locate any information upon which you rely in describing this standard (names and addresses of experts; titles, forms, authors, publishers and dates of publication for written materials, etc.);
- (b) Describe in detail the facts upon which you rely in alleging that Dr. Binnon has breached the standard of care which you contend was applicable.

ANSWER:

4. Please identify ALL the specific acts or omissions of Dr. Binnon you contend violated your Eighth Amendment rights.

5. For each issue claim made in the Complaint, state whether you filed a grievance at the correctional institution or with the Department of Correction. If so, state when each was filed, with whom each was filed, and provide the substance of the response thereto, if any. If you did not file a grievance, indicate why a grievance was not filed? Provide copies of each grievance and response.

ANSWER:

6. Identify every one of your criminal convictions in the past 15 years, including the court, jurisdiction, date of conviction, date of sentencing, and the terms of the sentence.

ANSWER:

7. Describe in detail each and every physical, mental or emotional injury, both temporary and permanent in nature, which you allege plaintiff has suffered as a direct and proximate result of the actions or omissions of Dr. Binnon. For each injury to plaintiff which you allege was temporary, state the date on which it was resolved and all treatment you obtained for it. For each injury to plaintiff which you allege constitutes a permanent injury, describe in detail the facts upon which you rely in alleging that this injury is permanent, providing the details necessary for this defendant to identify and locate any information upon which you rely in

making this allegation (names and addresses of physicians consulted; names and addresses of experts consulted; titles, forms, authors, publishers and dates of publication for written materials, etc.).

ANSWER:

- 8. If you claim damages for future medical treatment, state the following:
- (a) Describe in detail the treatments, operations and hospitalization for plaintiff which you contend may be needed in the future;
- (b) Describe in detail the information and information sources upon which you rely in concluding that such future treatments, operations and hospitalization may be necessary;
 - (c) The amount plaintiff claims for future medical and hospital expenses;
 - (d) A detailed description of how that amount is calculated.

- 9. If you claim plaintiff sustained any loss of income or earning power as a result of the incident which is the subject of this litigation either in the past, present or in the future, state:
 - (a) The total loss plaintiff claims was sustained;
 - (b) The inclusive dates when plaintiff claims to have been wholly unable to

work as a result of the incident and the reason you were unable to work on such dates;

- (c) The inclusive dates when plaintiff claims to have been partially unable to work as a result of the incident and the reason each was unable to work on such dates;
- (d) A specific description of the type or types of work plaintiff would have been performing or would have been able to perform during the period stated;
- (e) The rate of income plaintiff would have been able to receive except for the incident (as, for instance, one dollar per hour, 50 dollars per week, etc.);
- (f) The name and address of the person, corporation or other entity which would have been plaintiff's employer;
- (g) The total amount of money plaintiff had been paid by the employer during each of the six years preceding the incident which is the subject of this litigation;
- (h) With reference to federal income tax returns, whether filed jointly or individually, state the amount of income declared for each of the six years preceding the answering of this interrogatory and the sources of all income declared (such as \$5500 from bank interest, \$100 in stock dividends, \$10,000 in pension payments, etc.).

- 10. With reference to any expert you expect to call to testify as a witness at the trial, state the name and address of such expert, and, as to each expert named, state:
 - (a) The subject matter on which the expert is expected to testify;
- (b) The substance of the facts and opinions to which the expert is expected to testify;

- (c) A summary of the grounds for each opinion of the expert;
- (d) If the expert has prepared any report or other matter in writing pertaining to his opinions or the facts on which they are based, state the date of that matter in writing and the names and addresses of persons having copies of it;
- (e) Whether such expert rendered any care to the plaintiff and, if so, what care and when;
 - (f) The date the expert was first consulted by the plaintiff's attorney;
- (g) A brief chronological resume of the expert's education and professional background, including the associations or societies of which he is a member, and as to medical personnel, the names and addresses of all hospitals whose staff such experts are on or have had courtesy privileges or act or acted as consultants, a statement as to whether a medical expert is a medical doctor or osteopathic physician, and if any, a statement of the medical expert's field of specialization;
- (h) The title, publisher, date and form of all documentary material published by each such expert within his field.

ANSWER:

11. Set forth the name, address, telephone number and employment position of all witnesses you expect to call at trial and provide a brief summary of their expected testimony.

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Fig. 8 is a cross-sectional view of a light source with a light-quide used in the image sensor of Fig. 4;

Fig. 9 is a schematic diagram illustrating the layout of a light-guide and LED light sources used in the image sensor of Fig. 4;

Fig. 10 is a timing chart illustrating an analog signal transferring sequence used in the operation of the system of Fig. 1;

Fig. 11 is a timing chart further illustrating the analog signal transferring sequence used in the operation of the system of Fig. 1;

Fig. 12 is a timing chart illustrating an LED switching sequence performed during a color image sensing operation according to the present invention;

Fig. 13 is a timing chart similar to Fig. 12 but illustrating a sequence which occurs when no color image sensing operation is performed;

Fig. 14 is a timing chart similar to Fig. 12 but illustrating an LED switching sequence performed during a monochrome image sensing operation;

Fig. 15 is a timing chart similar to Fig. 12 but illustrating an LED switching sequence performed when a monochrome image is sensed using a pseudo-white light source;

Fig. 16 is a timing chart similar to Fig. 12 but

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Fig. 17 is a flow chart illustrating the switching control operation of LEDs according to the first embodiment of the invention;

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Fig. 18 is a timing chart illustrating the operation of switching LEDs in a color image sensing mode during a period in which no image sensing operation is performed, according to a second embodiment of the invention;

Fig. 19 is a flow chart illustrating the switching control operation of LEDs according to the second embodiment of the invention;

Fig. 20 is a timing chart illustrating the switching control operation of LEDs in a color image sensing mode, according to a third embodiment of the invention;

Fig. 21 is a timing chart illustrating the switching control operation of LEDs in the color image sensing mode for the case where no image sensing operation is performed according to the third embodiment of the invention;

Fig. 22 is a timing chart illustrating the switching control operation of LEDs in a monochrome image sensing mode for the case where no image sensing operation is performed in the third embodiment of the present

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invention;

Fig. 23 is a timing chart illustrating the switching control operation of LEDs during a sensing operation in a monochrome image sensing mode using a pseudo-white light source according to the third embodiment of the present invention:

Fig. 24 is a timing chart illustrating the switching control operation of LEDs during a sensing operation in a monochrome image sensing mode using a pseudo-white light source according to the third embodiment of the present invention;

Fig. 25 is a flow chart illustrating the switching control operation of LEDs according to the third embodiment of the invention;

Fig. 26 is a timing chart illustrating the switching control operation of LEDs during a sensing operation in a color image sensing mode according to a fourth embodiment of the invention;

Fig. 27 is a timing chart illustrating the switching control operation of LEDs in the color image sensing mode for the case where no image sensing operation is performed in the fourth embodiment of the invention;

Fig. 28 is a timing chart illustrating the switching control operation of LEDs in a monochrome image sensing mode for the case where no image sensing operation is

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performed in the fourth embodiment of the present invention;

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Fig. 29 is a timing chart illustrating the switching control operation of LEDs in a monochrome image sensing mode using a pseudo-white light source in the fourth embodiment of the invention;

Fig. 30 is a timing chart illustrating the switching control operation of LEDs in a monochrome image sensing mode using a pseudo-white light source in the fourth embodiment of the invention; and

Fig. 31 is a flow chart illustrating the switching control operation of LEDs according to the fourth embodiment of the invention.

DESCRIPTION OF THE PREFERRED EMBODIMENTS

The present invention will be described in further detail below with reference to the preferred embodiments of the color image sensing apparatus of the present invention. In these embodiments, three LEDs (light emitting diodes) are used as light sources to emit light with different colors of red (R), green (G), and blue (B). However, the present invention is not limit to that. LEDs which emit light with another proper combination of colors capable of forming a color image may also be employed. For example, LEDs of yellow, cyan, and magenta